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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/064,356	07/04/2002	Chuen Huei Yang	NAUP0473USA	9624
27765 . 7:	590 03/26/2004		EXAMINER	
NAIPO (NORTH AMERICA INTERNATIONAL PATENT OFFICE)			SIEK, VUTHE	
P.O. BOX 506 MERRIFIELD, VA 22116			ART UNIT	PAPER NUMBER
MERRIFIELD	, VA 22110		2825	
			DATE MAILED: 03/26/200	4

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

		Application No.	Applicant(s)	
		10/064,356	YANG ET AL.	
	Office Action Summary	Examiner	Art Unit	
		Vuthe Siek	2825	
Period fo	The MAILING DATE of this communication	appears on the cover sheet w	ith the correspondence address	
A SH THE - Exte after - If the - If NC - Failu Any earn	ORTENED STATUTORY PERIOD FOR REMAILING DATE OF THIS COMMUNICATION and the may be available under the provisions of 37 CF SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) days, to period for reply is specified above, the maximum statutory pre to reply within the set or extended period for reply will, by steply received by the Office later than three months after the red patent term adjustment. See 37 CFR 1.704(b).	DN. R 1.136(a). In no event, however, may a n. a reply within the statutory minimum of thi eriod will apply and will expire SIX (6) MOI tatute, cause the application to become A	reply be timely filed ty (30) days will be considered timely. ITHS from the mailing date of this communicatio BANDONED (35 U.S.C. § 133).	on.
Status				
1)⊠	Responsive to communication(s) filed on 2	20 January 2004.		
2a) <u></u> ☐	,	This action is non-final.		
3)□	Since this application is in condition for all closed in accordance with the practice und	•		S
Disposit	ion of Claims			
5)□ 6)⊠ 7)□	Claim(s) 1-9 is/are pending in the application 4a) Of the above claim(s) is/are with Claim(s) is/are allowed. Claim(s) 1-9 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and	drawn from consideration.		
Applicati	on Papers			
9)[The specification is objected to by the Exar	miner.		
10)	The drawing(s) filed on is/are: a)	accepted or b) objected to	by the Examiner.	
	Applicant may not request that any objection to	the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).	
	Replacement drawing sheet(s) including the co	rrection is required if the drawing	(s) is objected to. See 37 CFR 1.121((d).
11)	The oath or declaration is objected to by th	e Examiner. Note the attache	d Office Action or form PTO-152.	
Priority ι	ınder 35 U.S.C. § 119			
a)	Acknowledgment is made of a claim for for All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the application from the International Busee the attached detailed Office action for a	nents have been received. nents have been received in A priority documents have been reau (PCT Rule 17.2(a)).	application No received in this National Stage	
Attachmen		_		
	e of References Cited (PTO-892)		Summary (PTO-413) s)/Mail Date	
3) 🔲 Infor	e of Draftsperson's Patent Drawing Review (PTO-948 mation Disclosure Statement(s) (PTO-1449 or PTO/Str No(s)/Mail Date	,	nformal Patent Application (PTO-152)	

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DETAILED ACTION

1. This office action is in response to application 10/064,356 and response filed on 1/20/2004. Claims 1-9 remain pending in the application.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-9 are rejected under 35 U.S.C. 103(a) as being obvious over applicant's admitted prior art (Figs. 1-2) in view of Ikenaga et al. (4,878,177).
- 4. As to claims 1, 4 and 7, Figs. 1-2 teach partitioning or dividing a semiconductor integrated circuit pattern, where the pattern comprising cells with same shape and a polygon planar positioned between each cell and polygonal planar comprising two parallel horizontal edges and a plurality of vertexes. The prior art Figs. 1-2 describes partitioning utilizing horizontal division and vertical divisions crossing vertexes. Ikenaga et al. teach dividing or partitioning a polygonal planar using two horizontal and vertical division lines passing each vertex of the polygonal planar in two steps process, thereby a number of unit figures is optimal (referred to as minimum) (Figs. 1B, shown polygonal planar item 6; Fig. 3H shown result of dividing process providing optimal number of unit figures) (col. 3-7). Therefore, utilizing the above teachings of Ikenaga et al., it would have obvious to one of ordinary skill in the art at the time the invention was made to

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dividing a polygonal planar by utilizing a horizontal division and vertical line when meeting a vertex providing unit figures being arranged sequentially and horizontally as claimed because this single process would reduce dividing time although it would obtain the same result (optimal number of unit figures).

5. As to claims 2-3, 5-6 and 8-9, Ikenaga et al. teach the unit figures comprising a triangle, rectangle, trapezoid and parallelogram (Fig. 3H, 5); where the method of dividing is used to convert circuit pattern data into input graphic data of a writer, so the writer can use the input graphic data for drawing the circuit pattern on a photo mask or a substrate (col. 3-7).

Remarks

6. The applicant's remarks are persuasive. The new ground of rejection is provided with newly found reference. The teachings of new reference are found the claims obvious.

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Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vuthe Siek whose telephone number is (571) 272-1906. The examiner can normally be reached on M-F (6:30-4:00) 2nd Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith can be reached on (571) 272-1907. The fax phone numbers for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

Vuthe Siek March 17, 2004

VUTHE SIEK PRIMARY EXAMINER